

WHAT IS CLAIMED IS:

1. A vehicular lamp used for a vehicle, comprising:
a semiconductor light emitting element for generating light used for said vehicular lamp; and
a current controlling unit for supplying a predetermined current to said semiconductor light emitting element and changing said current based on temperature of said vehicular lamp.
2. A vehicular lamp as claimed in claim 1, wherein said current controlling unit reduces said current, if said temperature of said vehicle is higher than a predetermined threshold temperature.
3. A vehicular lamp as claimed in claim 2, wherein said current controlling unit reduces said current, if said vehicle is stopped.
4. A vehicular lamp as claimed in claim 2 further comprising:
a threshold temperature setting unit for setting a first threshold temperature if speed of said vehicle is lower than a predetermined speed, while setting a second threshold temperature, which is higher than said first threshold temperature, if said speed of said vehicle is said predetermined speed or higher,
wherein said current controlling unit reduces said current, if said temperature of said vehicular lamp is higher than said first or second threshold temperature set by said threshold temperature setting unit.
5. A vehicular lamp as claimed in claim 2, wherein said current controlling unit reduces said current, if said temperature of

said vehicular lamp is higher than said predetermined threshold temperature and brightness around said vehicle is higher than predetermined brightness.

6. A vehicular lamp as claimed in claim 2 further comprising:
a threshold temperature setting unit for setting a first threshold temperature if brightness around said vehicle is higher than predetermined brightness, while setting a second threshold temperature, which is higher than said first threshold temperature, if said brightness around said vehicle is said predetermined brightness or lower,

wherein said current controlling unit reduces said current, if said temperature of said vehicular lamp is higher than said first or second threshold temperature set by said threshold temperature setting unit.

7. A vehicular lamp as claimed in claim 1, wherein said current controlling unit changes said current supplied to said semiconductor light emitting element further based on temperature outside said vehicle.

8. A vehicular lamp as claimed in claim 1 further comprising:
a temperature detecting unit for detecting said temperature of said vehicular lamp based on a forward voltage of said semiconductor light emitting element,

wherein said current controlling unit changes said current based on said temperature of said vehicle detected by said temperature detecting unit.

9. A vehicular lamp as claimed in claim 1 further comprising:

a temperature increase signal outputting unit for outputting a signal indicating increase of said temperature of said vehicular lamp outwards, if said temperature of said vehicular lamp becomes higher than a predetermined temperature.

10. A vehicular lamp as claimed in claim 1, wherein said current controlling unit changes said current further based on brightness around said vehicle.